Title (en)

Subscriber unit for CDMA wireless communication system

Title (de)

Teilnehmergerät für CDMA Drahtloskommunikationssystem

Title (fr)

Unité d'abonné pour système de transmission sans fil à AMRC

Publication

EP 1772969 B1 20090429 (EN)

Application

EP 06024896 A 19970528

Priority

- EP 04075608 A 19970528
- EP 97926888 A 19970528
- US 65444396 A 19960528

Abstract (en)

[origin: WO9745970A1] A method and apparatus for high rate CDMA wireless communication in which a set of individually gain adjusted subscriber channels are formed via the use of a set of orthogonal subchannel codes (Wi) having a small number of PN spreading chips per orthogonal waveform period. Data to be transmitted via one of the transmit channels is low code rate error correction encoded (134) and sequence repeated before being modulated with one of the subchannel codes, gain adjusted (152, 154, 156, 158), and summed (160) with data modulated using the other subchannel codes. The resulting summed data is modulated using a user long code and a pseudorandom spreading code (PN code) and upconverted for transmission.

IPC 8 full level

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CPC (source: EP US)

H04B 7/264 (2013.01 - EP US); **H04J 13/18** (2013.01 - EP US); **H04L 1/0045** (2013.01 - EP US); **H04L 1/0059** (2013.01 - EP US); **H04L 1/0071** (2013.01 - EP US); **H04L 1/08** (2013.01 - EP US); H04B 1/707 (2013.01 - EP US); H04B 2201/70701 (2013.01 - EP US); H04J 13/0022 (2013.01 - EP US); H04J 13/0048 (2013.01 - EP US)

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US 9709606 W 19970528; AT 04075608 T 19970528; AT 06024896 T 19970528; AT 97926888 T 19970528; AU 3154697 A 19970528; BR 9709612 A 19970528; CA 2256416 A 19970528; CN 97196804 A 19970528; DE 69729296 T 19970528; DE 69737667 T 19970528; DE 69739389 T 19970528; DK 97926888 T 19970528; EP 04075608 A 19970528; EP 06024896 A 19970528; EP 97926888 A 19970528; ES 04075608 T 19970528; ES 06024896 T 19970528; ES 97926888 T 19970528; HK 07109861 A 20070911; HK 99104046 A 19990917; IL 12729297 A 19970528; IL 15211302 A 19970528; JP 2007050322 A 20070228; JP 54306797 A 19970528; PT 97926888 T 19970528; TW 86106725 A 19970520; US 14702002 A 20020515; US 23475499 A 19990121; US 33897103 A 20030108; US 65444396 A 19960528; ZA 974388 A 19970520